- THE RED, YELLOW AND GREEN INDICATION FOR ALL NEW VEHICULAR SIGNAL HEADS SHALL BE 12 INCH LIGHT EMITTING DIODE (LED) AND INCLUDE "AlInGap" TECHNOLOGY. UTILIZE "GELCORE" RX11, "DIALITE" 433 SERIES OR APPROVED EQUAL. ALL PEDESTRIAN SIGNAL INDICATIONS SHALL BE "LED" WITH HAND SYMBOL (PORTLAND
- 16. ALL VEHICULAR HEADS SHALL HAVE "TUNNEL" VISORS WITH 4 INCH SLOT AT BOTTOM WITH LOUVERED BACK PLATES. ALL SIGNAL HEADS TO BE MANUFACTURED BY "ECONOLITE", "EAGLE" OR APPROVED EQUIVALENT.

ORANGE) AND WALKING MAN SYMBOL (LUNAR WHITE).

- ALL NEW PEDESTRIAN PUSH BUTTONS SHALL BE THE 2 INCH DIAMETER WITH INTERNATIONAL WALKING MAN SYMBOL SIGN. FOR MOUNTING HEIGHT AND ADDITIONAL DETAILS, SEE STANDARD PLAN SHEET NO. T-30.1.3.1 OF NDOT-SPRBC. UTILIZE "Palara" BULLDOG W/MOMENTARY "LED" AND YELLOW COLLAR, OR APPROVED EQUIVALENT. USE 9" X 12" STATION FOR ALL POLES LARGER IN DIAMETER THAN THE 1A POLE. USE 5" X 7-3/4" STATION FOR 1A POLES AND SMALLER.
- 18. ALL INTERSECTIONS SHALL HAVE A BATTERY BACK UP SYSTEM. THE SYSTEM SHALL BE MOUNTED TO THE METERED SERVICE CABINET OF THE SYSTEM AND WILL BE A 24 VOLT OR 48 SYSTEM. THE CABINET SHALL BEAR A 508 UL LABEL. THE SYSTEM SHALL SUPPLY A MINIMUM UNINTERRUPTED CONTINUOUS SERVICE FOR UP TO 2 HOURS. THE SYSTEM SHALL FEATURE AN EVENT COUNTER AND TIMER. THE SYSTEM SHALL HAVE A TWO (2) YEAR PARTS AND LABOR TRANSFERABLE WARRANTY TO THE CITY OF RENO. THE UPS SYSTEM SHALL BE PAID FOR AND INCLUDED IN THE BID ITEM PRICE FOR METERED SERVICE PEDESTAL. THE UPS SYSTEM SHALL BE A PIGGYBACK DESIGN SYSTEM AND HANG ON THE METERED SERVICE PEDESTAL.
- 19. WHEN CONTROLLER CABINETS ARE NOT LOCATED IN A SIDEWALK, THEY SHALL HAVE A CONCRETE SERVICE PAD INSTALLED IN FRONT OF THE CABINET, THE SAME WIDTH AS CABINET AND AT LEAST 3 FEET LONG. LANDSCAPING SHALL NOT BE PERMITTED TO BLOCK CABINET DOOR. SPRINKLER SYSTEMS SHALL BE DIRECTED AWAY FROM AND NOT ALLOWED TO SPRAY CABINET OR PULL BOXES DIRECTLY.
- 20. ALL NEW TRAFFIC SIGNALS SHALL BE CONNECTED INTO THE CITY OF RENO'S TRAFFIC SIGNAL CENTRAL COMPUTER SYSTEM VIA THE NEAREST RECEIVER SITE BY TWISTED—PAIR CABLE.
- 21. INTERCONNECT CABLE SHALL BE MINIMUM 12 PAIR COPPER AWG 22, REA SPECIFICATION PE39, AND SHALL BE PLACED IN 3" CONDUIT. A 6 PAIR COPPER WIRE MAY BE USED FOR SOME TAIL CIRCUITS WITH THE TRAFFIC ENGINEER'S APPROVAL.
- /22. THE LUMINAIRE FIXTURES SHALL BE 120 VOLT, 175 WATT METAL HALIDE OR 250
 WATT HIGH PRESSURIZED SODIUM, 180 DEGREE CUTOFF WITH FLAT GLASS, TYPE III
 DISTRIBUTION WITH AUTO/REG BALLAST AND INTEGRAL CONTROLS. PHOTO CELL
 TO BE LOCATED IN METERED SERVICE PEDESTAL.
- PREEMPTION OF SIGNALS BY EMERGENCY VEHICLES SHALL BE PROVIDED BY INSTALLING 3M 700 SERIES OPTICOM DETECTORS WITH THE 3M MODEL 752N PHASE SELECTOR, OR AN APPROVED EQUAL.
- 24. LOOP DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF RENO SUPPLEMENTAL STANDARD DRAWING DETAILS FOR PUBLIC WORKS CONSTRUCTION, DRAWING NUMBERS R-404, R-405, R-406A AND R-406B.
- 25. THE CONTRACTOR SHALL PROVIDE AN UNDERGROUND SERVICE PEDESTAL. THE MAIN BREAKER SHALL BE 100 AMP MINIMUM (120/240 VAC, 60 HZ, SINGLE PHASE, 3 WIRE) IN ACCORDANCE WITH NDOT STANDARD PLAN T—30.1.6. INDIVIDUAL CIRCUIT BREAKERS SHALL INCLUDE: 120 VOLT 60 AMP, 1 POLE CIRCUIT BREAKER FOR SIGNALS; 120 VOLT, 40 AMP, 2 POLE CIRCUIT BREAKER FOR LIGHTING; AND A 60 AMP, 120 VOLT, LIGHTING CONTACTOR. THE CONDUCTOR TO THE CABINET FROM THE BREAKER SHALL BE A MINIMUM OF 10 GAUGE WIRE.

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